

## INFORMATION REPORT INFORMATION REPORT

## CENTRAL INTELLIGENCE AGENCY

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COUNTRY Rumania

REPORT

SUBJECT Rumanian Economic Information

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two

reports containing information on the following:

- a. (The Construction and Installations Enterprise of the Rumanian Railways.)

This report includes information of some of the works executed by the enterprise.

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- b. (The Machine Works in Timisoara.)

This report (includes a sketch of the Timisoara Works,) with legend.

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COUNTRY : Romania

SUBJECT : The Construction and Installations Enterprise  
of the Romanian Railways

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1. The Romanian Railways maintained separate construction and installation enterprises until 1958, when the enterprises were merged to form the Construction and Installations Enterprise of the Romanian Railways (Intreprinderea de Constructii si Instalatii a Cailor Ferate - ICICF). The ICICF executes works for the railways including tracklaying, preparation of track beds, and construction of railway buildings, tunnels, and bridges. With the approval of the Council of Ministers it does other building work such as the construction of machine factories in Timisoara and apartment houses on the Black Sea coast.

2. The head offices of the ICICF are in the Ministry of Transportation and Telecommunications building in Bucharest. The enterprise, which is subordinate to this Ministry, employs about 600 to 700 permanent workers and about 5000 to 6000 temporary workers. The enterprise consists of five construction units (grupuri de constructii)

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and one installations unit (group of installations). The construction units are located in Focsani, for the Moldova Region; in Bucharest, for the Muntenia and Dobrogea Regions; in Brasov, for the Southern Transylvania Region, including Deva and Tirgu-Mures; in Cluj, for the Northern Transylvania Region; and in Timisoara, for the Oltenia, Banat, and Arad Regions. The installations unit, which is located in Bucharest, has five subordinate departments, which are in Iasi, Brasov, Bucharest, Cluj, and Timisoara.

3. Some of the works executed by the ICICP are the following:
  - a. In 1959 and 1960 construction work was started of the Paltinocsa [N 47-33, E 25-57], Scheia [N 47-39, E 26-14], Burdujeni [N 47-41, E 26-17] railway line. A similar plan had been shelved for many years.
  - b. In 1959 a new railway station was constructed at Dornesti [N 47,52, E 26-01] and was used by the first train from Lvov to Bucharest via Warsaw, in the same year.
  - c. New water supply installations have been constructed at almost all the railway stations in the Moldova Region, including Bacau, Roman, Adjud, Marasesti, and Focsani, and along the Bucharest-Dornesti-Viaseni [N 47-56, E 25-55] line.
  - d. Installations enabling lines to be changed by <sup>signal</sup> ~~signal~~ boxes have been made at Marasesti, Bucharest-North, Floesti-Sud, and Brasi [N 44-52, E 26-01] railway stations.
  - e. Automatic signals, which change from green to red after the third wheel of a locomotive has passed by, have been installed along the Floesti-Bucharest line.

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- f. In 1960 a new railway station with modern equipment and locomotive repair shops, costing a total of 5,000,000 lei, was completed at Pasesni,
- g. New railway stations have been constructed at Floesti-Sud and at Constanta <sup>P</sup>[H 44-11, E 28-39].
- h. Diesel locomotive and self-propelled car maintenance shops are under construction in the vicinity of the Brasov railway station.

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**COUNTRY** : Rumania  
**SUBJECT** : The Machine Works in Timisoara

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1. Construction work was started in 1944 on a plant originally intended to be a military workshop, at 3 Aleea C.F.R., in Green Forest (Padurea Verde), Timisoara. Although it was subsequently planned to be a railway locomotive and rolling stock repair shop, the plant was finally constructed as a machine works, to manufacture hand-operated fire extinguishers, dump trucks, and refrigerated trucks for transportatoin of meat.

2. As a result of each change of plan the work was interrupted, and some of the buildings had to be altered in construction. About 18 railway spurs were laid during the planning period of the locomotive and rolling stock repair shop, but only three or four of the spurs remain.

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3. Although electricity was installed at the works prior to May 1960, only a cast-iron foundry was in operation. On 3 May 1960, a machine shop, a forge, a nonferrous metals foundry, and an assembly shop began production. Lathes were installed in May and June 1960 and central heating in September. According to plan, the entire works are to be completed by late 1961.

4. In March 1961 the Timiscara Machine Works (Urinals Mecanice) employed about 2000 workers and, according to plan, will employ 6000 within the next few years. The machine and metalwork shop, the cast-iron foundry, and the metal construction assembly shop work in three shifts, while the other departments work in one and occasionally two shifts.

5. The machine works has the following buildings and equipment:

- a. The machine and metalwork shop (hala mecanice si laetusterie), which is housed in a building eight or nine meters high, in an area of 17,000 square meters. The building, its roof, and interior support posts are constructed of reinforced concrete; the roof has glass windows, and the posts are arranged in a zig-zag pattern. The building is divided lengthwise into two parts: the machine shop, which is equipped with about 70 to 100 assorted lathes, 10 planing machines, and one or two shaping machines; and the metal shop, which is equipped with different presses, electric and oxy-acetylene welding apparatuses, and metalwork machines (such as shears and rolling machines).

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- b. The steam plant, which occupies a building 20 by 30 to 40 meters. In early 1961 the plant contained four steam boilers of the British Babcock type, which were manufactured at the Mao-Tse-Tung Works in Bucharrest. The building is arranged so that four additional boilers can be installed. Work had also been started on the installation of turbines.
- c. The cast-iron foundry, with two primitive furnaces, in a building 40 by 60 meters and nine or 10 meters high.
- d. The forge and canteen, which are housed in a building 20 by 30 to 40 meters and nine or ten meters high. Equipment of the forge includes two 1000-kilogram pneumatic hammers with a striking rate of about 200 blows per minute, and several steel-hardening furnaces, one of which is operated by electricity and the others by motorin (the motorin-burning furnaces were made in Poland).
- e. The nonferrous metal foundry (for aluminum and bronze), housed in a 20 by 40-meter building, which is equipped with small furnaces for aluminum and vats for bronze and drying equipment.
- f. Metal construction assembly shop No. 1 (hala de constructii metalice Nr. 1), housed in a 100 by 300-meter building, which was originally intended for rolling stock repairs and was to be served by 10 railway spurs. The shop is mainly equipped with electric welding machines.
- g. Maintenance machine shop.
- h. Carpentry shop.
- i. The works offices, in a single-story, eight by 40-meter building.

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- j. A metal fuel oil container with a capacity of 2000 cubic meters.
  - k. A metal motorin container with a capacity of 200 cubic meters.
  - l. A fuel pumping station with underground pipes leading to the steam plant and all other parts of the works.
  - m. A six-kilowatt transformer station, which is linked with two smaller stations, one of which is located in the machine and metalwork shop and the other in the cast-iron foundry. These provide a 220-volt current for lighting and a 380-volt current for machines.
6. Products of the Timiscara Machine Works include the following:
- a. Hand-operated fire extinguishers, which may be mounted on jeeps.
  - b. About 20 fire engines per month.
  - c. About 200 compressed air-operated, four-ton dump trucks per month.
  - d. About 25 refrigerated trucks per month.
- The wheels and chassis of the fire engines, dump trucks, and refrigerated trucks are manufactured by the Brasov Truck Works.
- e. Large fans which, according to rumor, are intended for export to Communist China and India
7. Attached is a sketched layout, with legend, of the machine works.

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**Legend to Layout Sketch of the Timisoara Machine works**

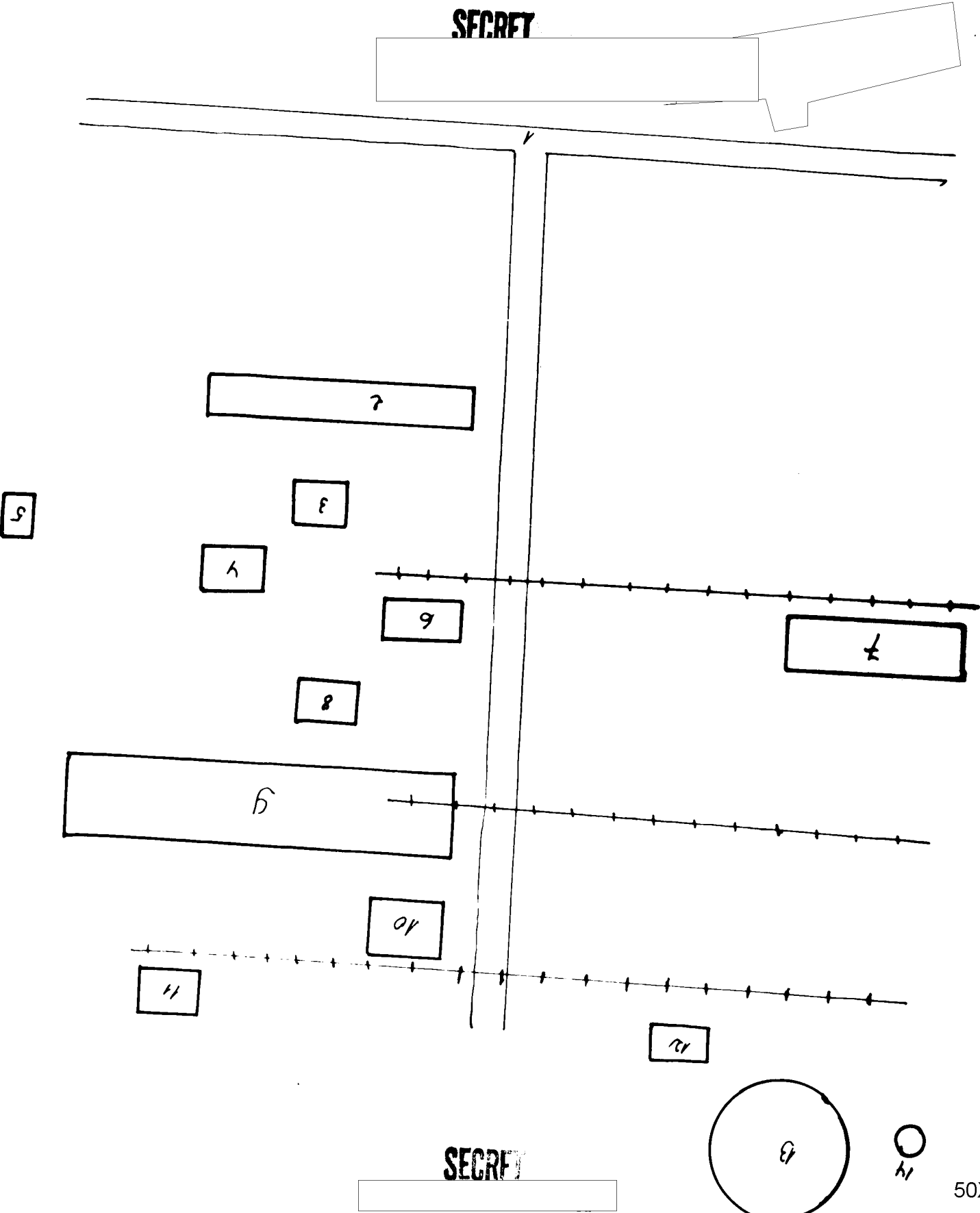
1. Aleea C.F.R.
2. Machine and metalwork shop.
3. Steam plant.
4. Cast-iron foundry.
5. Transformer station.
6. Forge and works' canteen.
7. Offices.
8. Nonferrous metals foundry.
9. Metal construction assembly shop No. 1.
10. Maintenance machine shop.
11. Carpentry shop.
12. Fuel pumping station.
13. Fuel oil container.
14. Motorin container.

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